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LICHENS OF THE LAKE GEORGE REGION

(*Continued*)

STEWART H. BURNHAM

101. *Cladonia rangiferina* (L.) Weber. On earth and rocks, specially in upland regions and in shade of conifers; abundant. It rarely grows in sphagnum but has been found growing on old *Picea mariana* in the marsh north of Glen Lake, Oct. 31, 1916.

102. *Cladonia squamosa* (Scop.) Hoffm. A composite species. (E. Galway) N. Y. (Burt), reported by Dr. Fink in THE BRYOLOGIST **10**: 22. March 1907. On earth, rocks and in marshes on decaying logs; Black Mt,; talus at foot of Diameter, South Bay; southern W. Fort Ann; Rich's swamp near Shushan; low woods north of Cambridge.

103. *Cladonia squamosa muricella* (Del.) Wainio. Thin rocky soil near Vaughns schoolhouse, Sept. 23, 1913; determined by Mr. Merrill. Golden's hemlocks east of Tripoli.

104. *Cladonia squamosa phyllocoma* Rabenh. East of Thompsons gravel-bed on coniferous stump, Oct. 13, 1915; determined by Mr. Merrill. East of Tripoli on coniferous stump, Apr. 4, 1915.

105. *Cladonia squamosa plumosa*·Del. Rocks east of Hadlock Pond, Nov. 24, 1915; determined by Mr. Merrill.

106. *Cladonia subcariosa* Nyl. Thin rocky soil at Vaughns, Aug 19, 1914; determined by Mr. Merrill.

107. *Cladonia sylvatica* (L.) Hoffm. Usually found growing with *Cladonia rangiferina*; common. The plants are straw colored; while those of *C. rangiferina* are ash colored.

108. *Cladonia turgida* (Ehrh.) Hoffm. On earth and rocks in old woods and pastures. Southern W. Fort Ann; Vaughns, Oct. 12, 1913 & Oct. 25, 1914, determined by Mr. Merrill; Peaked Rock, May 19, 1906, detrmined by Dr. Fink.

109. *Cladonia uncialis* (L) Weber Bolton Landing, Warrensburg and Fort Ann (Peck), often growing with *Cladonia rangiferina* under pines; southern W. Fort Ann; Vaughns; Ballston Lake; Peaked Rock. On rocks, Curtis hill east of Fort Ann, May 17, 1913. "a form between f. *obtusata* Ach. and *Cladonia caroliniana* (Schw.) Tuck."; determined by Mr. Merrill.

110. *Cladonia verticillata* (Hoffm). Flk. Huletts Lg. (Jelliffe); Gansevoort (Peck); (E. Galway) N.Y. (Burt), reported by Dr. Fink in THE BRYOLOGIST 7: 87. Nov.1904. Vaughns and elsewhere on earth and thin rocky soil; common. Specimens have been determined by Mr. Merrill

111. *Cladonia verticillata evoluta* Th. Fr. Old pastures and thin rocky soil at Vaughns, April 2 & Aug 19, 1914; determined by Mr. Merrill. Peaked Mt., Oct 23, 1918.

112. *Stereocaulon paschale* (L.) Fr. Not uncommon on granitic rocks and boulders in upland regions and undisturbed fields. Specimens have been determined by Dr. Eckfeldt. A coralloid lichen growing in circular patches.

113. *Stereocaulon paschale conglomeratum* Fr. Sugar Loaf Mt., on granitic rocks, Nov. 13, 1915; determined by Mr. Merrill. Rocks in woods northeast of Thompson's gravel-bed, Nov. 10, 1918.

114. *Stereocaulon tomentosum* Fr. Huletts Lg. (Jelliffe); Thurman, on sandy ground (Peck); rocks at E. Galway (Burt), reported in Bot. Gaz. **50**: 297. Oct. 1910.

115. *Gyrophora Dillenii* (Tuck.) Müll. Arg. Granitic rocks and talus slopes, not uncommon in elevated regions about Lake George; the towns of Dresden and Fort-Ann; and at Peaked Rock. (*Umbilicaria Dillenii* Tuck.)

116. *Gyrophora Muhlenbergii* Ach. Growing with the preceding species.

117. *Gyrophora vellea* (L.) Ach. On cliff west of Cold Spring, near water's edge, foot of Diameter Precipice, South Bay, Aug. 21, 1906; reported in Am. Bot. **11**: 114. Jan. 1907.

118. *Umbilicaria pennsylvanica* Hoffm. Rocks. Huletts Lg. (Jelliffe).

119. *Umbilicaria pustulata papulosa* (Ach.) Tuck. Not uncommon and usually associated with *Gyrophora Dillenii.*

120. *Maronea constans* (Nyl.) Th. Fr. Rich's swamp near Shushan on *Acer rubrum*, April 13, 1907; determined by Dr. Fink and reported in N. Y. State Mus. Bull. **122:** 13. 1908, also in Mycol. **11:** 306. Nov. 1919. (*Rinodina constans* (Nyl.) Tuck.).

121. **Acarospora Clavus** (DC.) Burnh., n. comb. On calcareous rocks, east of Tripoli, Apr. 12, 1914, and at Vaughns, Apr. 7 & 11, 1915. Determined by Mr. Merrill, who says he was the first to collect it in this country: and that his specimens and these are without apothecia. (*Lecidea eucarpa* Nyl.).

122. *Acarospora fuscata* (Schrad.) Arn. On granitic rocks, Peaked Rock, June 15, 1907 (Dobbin); determined by Dr. Fink.

123. *Acarospora Xanthophama* (Nyl.) Fink. The form *dealbata* (Tuck.) Hasse on calcareous rocks at Vaughns, Aug. 23, 1906; determined by Dr. Fink. Northwest Hartford, Aug. 24, 1906.

124. *Thyrea pulvinata* (Schaer.) Mass. R. C. Burnham's stone wall, on calcareous rock, Aug. 25, 1912; determined by Mr. Merrill, who says "infertile but looks like an *Omphalaria*, perhaps *pulvinata* (Schaer.) Nyl." It is similar to specimens in the N. Y. State Herbarium called this species.

125. *Collema crispum* Ach. Limestone ledge west of Vaughns schoolhouse on mosses, Apr. 21, 1912; determined by Mr. Merrill and reported in N. Y. State Mus. Bull. **167:** 24. 1913. (*C. crispum* (Huds.) Hoffm.)

126. *Collema nigrescens* (Huds.) Ach. On trunks. Bolton Lg. (Peck).

127. *Collema pulposum* (Bernh.) Ach. Thin rocky soil at Shushan, growing on *Anomodon rostratus*, Nov. 20 & 26, 1910 (Dobbin), specimens are in the N. Y. State Herbarium. Southern W. Fort Ann; Vaughns on mossy limestone ledges, Oct. 16, 1913, determined by Mr. Merrill.

128. *Collema pycnocarpum* Nyl. On trunks. Mechanicsville (Peck); detmined by Dr. Eckfeldt.

129. **Collema rupestris** (Sw.) Burnh., n. comb. Huletts Lg. (Jelliffe); Bolton Lg. (Peck); Shushan (Dobbin); Lake George to Warrensburg; southern W. Fort Ann; Vaughns. Collections have been determined by Dr. Fink and Mr. Merrill. (*Collema flaccidum* Ach.)

130. *Collema ryssoleum* Tuck. On rocks. Bolton Lg. (Peck.).

131. *Leptogium chloromelum* (Sw.) Nyl. Rocks at Crescent, May 30, 1906.

132. *Leptogium lacerum* (Sw.) S. F. Gray. Rocks among mosses at Shushan (Dobbin); northwest Hartford; Wiggins iron mine, determined by Mr. Merrill: Vaughns.

133. *Leptogium myochroum* (Ehrh.) Tuck. Peaked Rock, May 19, 1906, determined by Dr. Fink; Shushan on trees, Aug. 31, 1909 (Dobbin).

134. *Leptogium pulchellum* (Ach.) Nyl. On trunks and rocks. Huletts Lg. (Jelliffe).

135. *Leptogium tremelloides* (L.f) S. F. Gray. Trunks of trees and mossy rocks; common.

136. **Parmeliella crossophylla** (Tuck.) Merrill & Burnh., n. comb. Shushan on slate rocks, May 14, 1906 (Dobbin), *Pannaria crossophylla* Tuck.

137. *Parmeliella microphylla* (Sw.) Müll. Arg. Shushan on rocks (Dobbin); Peaked Mt.,; Vaughns on sandstone and calcareous rocks, several collections determined by Mr. Merrill.

138. *Placynthium nigrum* (Huds.) S. F. Gray. On calcareous rocks and sandstone. Shushan (Dobbin); Vaughns and elsewhere, several collections determined by Mr. Merrill. (*Pannaria nigra* (Huds.) Nyl.)

139. *Pannaria leucosticta* Tuck. Talus, Diameter precipice, South Bay, Aug. 21, 1906; determined by Dr. Fink.

140. *Pannaria lurida* (Mont.) Nyl. On oak bark, Anaquassocook hills, May 19, 1906; Shushan on elm trunks, May 28, 1906 (Dobbin). (*Physma luridum* (Mont.) Tuck.).

141. *Hydrothyria venosa* Russell. On rocks, falls of West brook, W. Fort Ann, Sept. 19, 1917, growing with *Nephroma laevigatum*; determined by Mr. Merrill who says, "the plant is probably widely distributedbut it seldom turns up. I have not collected it in Maine but have long sought for it." In stream bed, in Big notch, north of Peaked Mt., June 27, 1918, plants with apothecia; specimens verified by Mr. Merrill. *Hydrothyria* closely resembles *Leptogium* but has conspicuous radiant veins on the under surface of the thallus.

142. *Lobaria laciniata* (Huds.) Wainio. On trunks of trees and rocks. Huletts Lg. (Jelliffe); E. Galway on elm trunks (Burt); southern W. Fort Ann; Vaughns; Shushan; Crescent. (*Sticta amplissima* (Scop.) Mass.)

143. *Lobaria pulmonaria* (L.) Hoffm. On trunks of trees; common. Occasional on rocks.

144. *Sticta Weigelii* (Ach.) Wainio. On rocks. E. of Hadlock Pond, Nov. 24, 1915; Peaked Mt., Oct. 23, 1918; Vaughns, July 6, 1907; Anaquassacook hills, June 15, 1907. (*Sticta quercizans* (Mx.) Ach.).

145. *Nephroma helveticum* Ach. Huletts Lg. (Jelliffe); Shushan on rocks (Dobbin); east of Tripoli on rocks, Aug. 2, 1914, determined by Mr. Merrill; Sugar Loaf Mt., Nov. 13, 1915.

146. *Nephroma laevigatum* Ach. Mossy rocks. Falls in west brook, W. Fort Ann, Sept. 19, 1917, & Sept. 11, 1918, determined by Mr. Merrill; Peaked Mt., Apr. 14, & June 16, 1918; woods east of Tripoli schoolhouse, May 25, 1913, determined by Mr. Merrill.

147. *Nephroma laevigatum parile* (Ach.) Nyl. On rocks at the falls in West brook, W. Fort Ann, Sept. 11, 1918; determined by Mr. Merrill.

[*To be Continued*]

MISCELLANEOUS NOTES

Fascicle 18 of Musci Acrocarpi Boreali-Americani, issued by Dr. John M. Holzinger, was sent out February 6, 1922. It comprises the following species:

426. *Bryum Atwateriae*
427. *B. capillare flaccidum*
428. *B. cuspidatum*
429. *B. meesioides*
430. *Catharinaea xanthopelma*
431. *Dicranella pumila*
432. *Dicranum Drummondii*
433. *D. falcatum*
434. *Epipterygium Tozeri*
435. *Fissidens Garberi*
436. *Rhacomitrium Macounii*
437. *Mniobryum albicans*
438. *Oreoweisia serrulata*
439. *Philonotis americana*
440. *Ph. capillaris*
441. *Ph. alpicola*
442. *Physcomitrella patens*
443. *Physcomitrium turbinatum Langloisii*
444. *Pilopogon Blumii*
445. *Polytrichum angustidens*
446. *Rhabdoweisia denticulata*
447. *Rhacomitrium fasciculare*
448. *Seligeria recurvata pumila*
449. *Tortula Mülleri*
450. *Webera proligera*

The eight contributors have collected in widely separate areas. Dr. John W. Bailey, Prof. J. Flett, and the late Prof. A. S. Foster have, together, collected 13 species in Washington and Oregon, Mr. Severin Rapp has contributed 3 from Florida. Mr. Edwin B. Bartram, 3 from Pennsylvania. Prof. H. Dupret and Dr. F. E. Lloyd, each 1 from Canada; Mrs. Rachel Lowe, 1 from Massachusetts; Dr. Geo. E. Nichols, 1 from Michigan; Dr. T. C. Frye, 1 from the Hawaiian Islands, and the author, 1 from Minnesota.

The list shows that the United States is as yet sparsely covered with moss-students able and ready to cooperate in this exploring work, and the assistance of others all over the United States is solicited.

In the work of verifying and correcting critical determinations, the author is under special obligations to Mr. R. S. Williams, to Mrs. Elizabeth G. Britton, Dr. A. LeRoy Andrews, Mr. Leopold Loeske, and to Dr. George N. Best.

WINONA, MINN., FEB. 8, 1922 JOHN M. HOLZINGER